A Complete Editorial Index of

WORLD PETROLEUM

Volume 38, Published in 1967

25 West 45th Street, New York, N. Y. 10036

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Crack Gas Cooling

combined with

Waste Heat Recovery

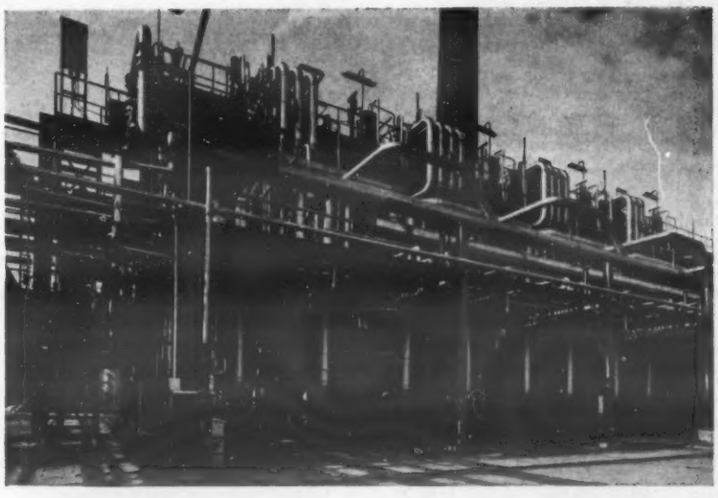
requires
high steamside pressure
to obtain long running periods,
high pressure steam
for economic power generation.

Schmidt'sche Double Tube Coolers

- now running for **6 years** under most severe conditions.

We installed coolers for 2000 PS/G steam generation, with inlet temperatures of the cracked gas over 1650° F.

For extraordinary waste heat problems please contact our engineers.



SHG

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World Crude Production

(1,000 barrels daily average)

Country	Sept. 1967	% Diff. vs Sept. '66	Jan.-Sept. 1967	% Diff. vs Jan.-Sept. 66
Canada	1,050.0	19.9	972.7	12.0
Argentina	310.0	11.2	305.8	8.2
Bolivia	28.0	51.4	27.0	154.7
Brazil	150.0	33.1	150.0	37.6
Chile	35.0	0.3	34.8	0.3
Colombia	200.0	1.7	195.4	—1.3
Ecuador	10.0	42.9	9.3	29.2
Mexico	360.0	13.5	356.8	8.2
Peru	63.0	—0.8	63.0	0.6
Venezuela	3,637.9	15.1	3,531.7	5.4
Trinidad	175.0	11.7	171.6	14.9
Tot. Lat. Amer.	4,968.9	14.3	4,845.5	6.9
West. Hemisphere	6,018.9	13.3	5,818.1	7.7
Austria	51.0	20.0	56.4	9.7
France	58.0	—1.4	57.0	—3.4
Germany	157.0	1.7	156.9	1.0
Italy	30.0	—11.2	29.8	—12.9
Netherlands	44.0	—1.6	43.4	—2.9
Spain	3.5	—	1.3	—
United Kingdom	1.7	—10.5	1.7	—
Yugoslavia	47.5	2.4	47.3	5.3
Tot. Free Europe	392.7	2.7	393.9	0.7

Country	Sept. 1967	% Diff. vs Sept. '66	Jan.-Sept. 1967	% Diff. vs Jan.-Sept. 66
Algeria	860.0	16.0	798.6	13.1
Egypt	90.0	—22.7	119.1	0.3
Libya	2,035.2	34.9	1,611.4	10.4
Morocco	2.0	—4.8	2.0	—9.1
Tunisia	40.0	72.4	28.3	349.2
Tot. No. Africa	3,027.2	26.6	2,559.3	11.7
Angola	11.0	26.7	13.9	—7.3
Gabon	80.0	150.8	68.8	132.4
Nigeria	55.0	—87.5	437.8	15.7
Tot. W. Africa	146.0	—70.1	520.5	23.1
Israel	53.0	—	13.9	247.5
Turkey	40.0	14.6	37.0	1.6
Tot East Med	93.0	141.6	51.0	26.2
Trucial Coast*	390.5	13.8	377.1	6.2
Bahrein	70.0	12.7	67.9	11.7
Iran	2,580.9	22.9	2,574.9	23.9
Iraq	1,587.2	13.7	1,106.0	—19.1
Kuwait	2,067.0	—3.7	2,265.0	1.9
Neutral Zone	451.8	4.4	428.3	3.2

Country	Sept. 1967	% Diff. vs Sept. '66	Jan.-Sept. 1967	% Diff. vs Jan.-Sept. 66
Qatar	351.4	24.8	314.1	11.3
Saudi Arabia	2,492.2	2.8	2,594.3	9.1
Tot. Gulf	9,991.0	8.8	9,727.7	6.2
Burma	12.0	33.3	11.5	2.7
India	115.0	17.9	112.8	22.6
Japan	16.0	—	16.0	3.2
West Pakistan	10.0	—	10.0	—
Tot. Free SE Asia	153.0	15.5	150.3	16.9
Australia	22.2	122.0	15.9	60.6
Indonesia	515.0	3.2	501.4	7.2
New Guinea	1.5	25.0	1.9	—5.0
Sabah/Sarawak	112.0	12.0	111.3	16.2
Tot. Oceania	650.7	6.5	630.6	9.6
Free E. Hemis.	14,453.6	9.2	14,033.2	7.9
Free World	20,472.5	11.0	19,851.4	7.8
United States	9,230.0	11.3	8,766.4	5.8
Free World Tot.	29,702.5	11.1	28,617.8	7.2

*Trucial Coast figure includes Abu Dhabi plus initial output from Oman.

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